

IN THE CLAIMS:

The text of all pending claims are set forth below. Cancelled and withdrawn claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (previously amended), (cancelled), (withdrawn), (new), (previously added), (reinstated - formerly claim #), (previously reinstated), (re-presented - formerly dependent claim #) or, (previously re-presented).

Please AMEND the claims in accordance with the following:

1-22. (CANCELLED)

23. (WITHDRAWN) A method of displaying a whitish color using a gas discharge display device for displaying a color image, comprising:

receiving a command to display the whitish color;
emitting a color other than the whitish color using first, second and third fluorescent substances having different emission colors; and
filtering the emitted color to display the whitish color.

24. (WITHDRAWN) The method of claim 23, wherein said emitting the color other than the whitish color comprises:

emitting a first light using a first display element corresponding to the first fluorescent substance, wherein the first light has a greater intensity than an intensity required to produce the whitish color without said filtering; and

emitting second and third lights using second and third display elements corresponding to the second and third fluorescent substances.

25. (WITHDRAWN) The method of claim 24, wherein the emitting the first light comprises generating an electric discharge in the first display element between first electrodes having first areas, wherein the first areas are greater than areas of first electrodes that are

required to produce the whitish color without said filtering.

26. (WITHDRAWN) The method of claim 24, wherein the emitting the first light comprises using a first fluorescent substance layer in the first display element, wherein the first fluorescent substance layer has a first light emission area that is greater than a light emission area of the first fluorescent substance layer that is required to produce the whitish color without said filtering.

27. (WITHDRAWN) The method of claim 24, wherein the emitting the first light comprises generating a first light using a first pair of electrodes, the first pair of electrodes having first dielectric layers that are thinner than first dielectric layers that are required to produce the whitish color without said filtering.

28-57. (CANCELLED)

58. (CURRENTLY AMENDED) A gas discharge display device using a plasma display panel, comprising:

a plurality of discharge cells formed within a discharge space between a front substrate and a rear substrate, each of the discharge cells including a discharge gas therein and being provided with one of fluorescent substances of red, green and blue selected to emit light for performing color display, whereby at least some of the plurality of discharge cells are provided with the red fluorescent substance, at least some of the plurality of discharge cells are provided with the blue fluorescent substance, and at least some of the plurality of discharge cells are provided with the green fluorescent substance; and

a filter disposed on ~~a front side of~~ the front substrate, the filter having a characteristic of absorbing attenuating light within a wave range of visible light emitted by the discharge gas, where the filter comprises a single composition disposed on the front substrate to filter the at least some of the discharge cells corresponding to the red, the green, and the blue fluorescent substances,

wherein a light-emission intensity of at least one of the fluorescent substances of red, green and blue is set to be larger than would be necessary to display an intended white color by

simultaneous unfiltered light emission of the fluorescent substances of red, green and blue, so that light within the wave range is emitted with intensity to compensate for attenuation of light within the wave range ~~absorbed~~ attenuated by the filter.

59. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 58, wherein the at least one of the fluorescent substances with the larger than necessary intensity comprises the red fluorescent substance.

60. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein each of the discharge cells further comprises a pair of electrodes for generating electric discharge between the electrodes to allow the fluorescent substances to emit light, and where each of the discharge cells having the red fluorescent substance has a surface area of its electrodes larger than a surface area of the electrodes of the discharge cells having the blue and green fluorescent substances.

61. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein each of the discharge cells further comprises a light-emission region and an area of the same, and where the discharge cells having the red fluorescent substance have areas larger than the areas of the discharge cells having the blue and green fluorescent substances.

62. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein each of the discharge cells further comprises a pair of electrodes for generating electric discharge between the electrodes to allow the fluorescent substances to emit light, where a dielectric substance layer covers each pair of electrodes, and where each of the discharge cells having the red fluorescent substance has a thickness of the dielectric substance layer that is smaller than a thickness of the discharge cells having the blue and green fluorescent substances.

63. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein the filter has a color correction function of increasing a color temperature value of light received by the filter.

64. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein the filter has a characteristic of attenuating an intensity of received light in a red wavelength region.

65. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein the filter has a characteristic such that an average transmissivity of light in a green wavelength region is lower than an average transmissivity of light in a blue wavelength region and is higher than an average transmissivity of light in a red wavelength region.

66. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein the filter has a characteristic such that a transmissivity of a longer wavelength side of a received red wavelength region is higher than a transmissivity of a shorter wavelength side of the received red wavelength region.

67. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein the filter has a characteristic such that a wavelength of lowest transmissivity of the filter has a value within a range of 560 to 610 nanometers.

68. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 59, wherein the filter has a characteristic such that absorption peaks appear at least in a wavelength region of 470 to 520 nanometers and in a wavelength region of 560 to 610 nanometers.

69. (PREVIOUSLY PRESENTED) The gas discharge display device of any of claims 63-68, wherein the gas discharge display device further comprises a pair of substrates for forming a discharge space therebetween, and the filter is formed directly on an inner or outer surface of one of the substrates that constitutes a display surface of the display device.

70. (PREVIOUSLY PRESENTED) The gas discharge display device of any of claims 63-68, wherein the gas discharge display device further comprises a display panel incorporating a discharge space therein with arranged display elements, and the filter is fabricated separately from the display panel and disposed on a front side of the display panel.

71. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 58, wherein the gas discharge display device further comprises a display panel incorporating a discharge space therein with arranged display elements and a transparent protection plate for protecting a display surface of the display panel, and the filter is disposed on an inner or outer surface of the protection plate.

72. (CURRENTLY AMENDED) The gas discharge display device of claim 69-~~or~~ 71, wherein the filter comprises a pigment filter.

73. (CURRENTLY AMENDED) The gas discharge display device of claim 69-~~or~~ 71, wherein the filter comprises a multi-layer film filter.

74. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 58, wherein the red fluorescent substance comprises a fluorescent substance composed of (Y, Gd) BO₃: Eu, the green fluorescent substance comprises a fluorescent substance composed of Zn₂SiO₄: Mn, and the blue fluorescent substance comprises a fluorescent substance composed of BaMgAl₁₀O₁₇: Eu.

75. (PREVIOUSLY PRESENTED) The gas discharge display device of claim 58, wherein the discharge gas comprises a Penning gas composed of neon and xenon.

76. (NEW) A gas discharge display device using a plasma display panel according to claim 58, wherein the filter comprises a single continuous filter.

77. (NEW) A gas discharge display device using a plasma display panel according to claim 58, wherein the filter is disposed on a front side of the front substrate.

78. (NEW) A gas discharge display device using a plasma display panel, comprising: a plurality of discharge cells formed within a discharge space between a front substrate and a rear substrate, each of the discharge cells including a discharge gas therein and being

provided with one of fluorescent substances of red, green and blue selected to emit light for performing color display, whereby at least some of the plurality of discharge cells are provided with the red fluorescent substance, at least some of the plurality of discharge cells are provided with the blue fluorescent substance, and at least some of the plurality of discharge cells are provided with the green fluorescent substance; and

a filter disposed on the front substrate, the filter having a characteristic of attenuating light within a wave range of visible light emitted by the discharge gas, where the filter comprises a single composition disposed on the front substrate to filter the at least some of the discharge cells corresponding to each of the red, the green, and the blue fluorescent substances,

wherein a light-emission intensity of at least one of the fluorescent substances of red, green and blue is set to be larger than would be necessary to display an intended white color by simultaneous unfiltered light emission of the fluorescent substances of red, green and blue, so that light within the wave range is emitted with intensity to compensate for attenuation of light within the wave range attenuated by the filter,

wherein the at least one of the fluorescent substances with the larger than necessary intensity comprises the red fluorescent substance, and

wherein the filter has a characteristic such that a wavelength of lowest transmissivity of the filter has a value within a range of 560 to 610 nanometers.

79. (NEW) A gas discharge display device according to claim 78, wherein the filter comprises a single continuous filter.

80. (NEW) A gas discharge display device according to claim 78, wherein the filter is disposed on a front side of the front substrate.

81. (NEW) A gas discharge display device according to claim 78, wherein the filter has a color correction function of increasing a color temperature value of light received by the filter.

82. (NEW) A gas discharge display device according to claim 78, wherein the gas discharge display device further comprises a display panel incorporating a discharge space

therein with arranged display elements and a transparent protection plate for protecting a display surface of the display panel, and the filter is disposed on an inner or outer surface of the protection plate.

83. (NEW) The gas discharge display device of claim 71, wherein the filter comprises a pigment filter.

84. (NEW) The gas discharge display device of claim 71, wherein the filter comprises a multi-layer film filter.